Actinomycin D

Intercalating transcription inhibitor

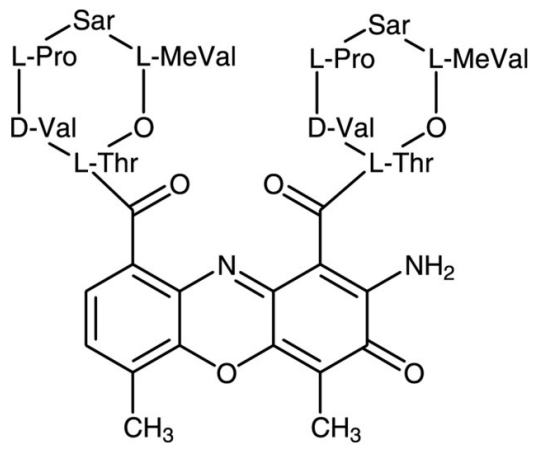
An intercalating transcription inhibitor and antineoplastic antibiotic. Inhibits transcription by binding to DNA at dG residues. Induces apoptosis in many cell lines, but suppresses in PC12 cells induced by topoisomrease II inhibitor etopside. Used at 5-10µg/ml in cell culture for haltiong transcription. The product is not sterile.

Citations: 20 View Online »

Ordering Information Order Online »

BML-GR300-0005	5mg

Manuals, SDS & CofA View Online »


Sar
L-Pro
L-MeVal
D-Val
O
L-Thr
O
Sar
L-Pro
L-MeVal
D-Val
O
L-Thr
O
N
NH2
O
O
CH3
CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Sensitive to strong acids and bases. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
Handling	Protect from light. Hygroscopic.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Red-orange crystalline solid.
CAS	50-76-0
Formula	$C_{62}H_{86}N_{12}O_{16}$
MW	1255.5
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (>20mg/ml), 100% ethanol (1mg/ml) or methanol.
Source	Isolated from *Streptomyces parvulus.*

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.